

Faktor-Faktor yang Berhubungan dengan Kematian pada Pasien COVID-19 yang dirawat Inap di RSUP Haji Adam Malik Medan Tahun 2020 = Factors Associated with Death in Hospitalized COVID-19 Patients in Haji Adam Malik General Hospital 2020

Harahap, Ade Ayu Lanniari, author

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Abstrak

Peningkatan jumlah kasus COVID-19 dan penyebarannya di berbagai negara terjadi berlangsung cukup cepat dan dalam waktu singkat. Hingga 4 Mei 2021, COVID-19 telah menginfeksi lebih dari 152 juta orang dan lebih dari 3 juta kematian di seluruh dunia. Indonesia telah melaporkan 1.682.004 kasus konfirmasi, tertinggi di Asia Tenggara, dan sebanyak 45.949 kematian terkait COVID-19 yang dilaporkan tertinggi ke-2 di Asia dan ke-17 di dunia. Masih terbatasnya data mengenai karakteristik dan faktor risiko yang terkait kematian akibat COVID-19 di Indonesia dan belum ada penelitian mengenai hal ini di kota Medan. Studi kasus-kontrol terhadap 222 pasien COVID-19 yang dirawat inap di RSUP H. Adam Malik Medan periode Maret 2020-Desember 2020 dilakukan menggunakan data rekam medis pasien. Penelitian ini mendeskripsikan karakteristik pasien COVID-19 berdasarkan usia, jenis kelamin, gejala klinis, komorbiditas dan tempat tinggal serta untuk mengidentifikasi faktor-faktor yang berhubungan dengan kematian pada pasien COVID-19. Hasil penelitian melalui analisis multivariat logistik regresi menunjukkan bahwa, adanya peningkatan risiko terhadap kematian pada usia 60 tahun (OR=5.495, 95% CI: 2.398-12.591), demam (OR=4.441, 95% CI: 1.401- 14.077), sesak napas (OR=8.310, 95% CI: 3.415-20.220), riwayat hipertensi (OR=2.454, 95% CI: 1.159-5.196), riwayat penyakit ginjal kronik (OR=10.460 kali, 95% CI: 3.282-33.331), riwayat penyakit kanker (OR=16.137, 95% CI: 2.798- 96.147) pada pasien COVID-19 yang dirawat inap di RSUP H. Adam Malik Medan Tahun 2020.

.....The increase in cases of COVID-19 and its spread in various countries took place very quickly and in a short time. As of May 4, 2021, COVID-19 has infected more than 152 million people and more than 3 million deaths worldwide. Indonesia has reported 1,682,004 confirmed cases, the highest in Southeast Asia, and 45,949 COVID-19-related deaths, the 2nd highest reported in Asia and 17th in the world. Data on characteristics and risk factors related to death from COVID-19 in Indonesia are still limited and there has been no research on this in the city of Medan. A case control study of 222 COVID-19 patients who were treated at H. Adam Malik Hospital in Medan for the period March 2020-December 2020 was carried out using patient medical record data. This study describes the characteristics of COVID-19 patients based on age, gender, clinical symptoms, comorbidities, place of residence and to determines the factors associated with death in COVID-19 patients. The results of the study through multivariate regression analysis showed an increased risk of death at the age of 60 years (OR = 5,495, 95% CI: 2,398-12,591), fever (OR = 4,441, 95% CI: 1,401 -14,077), shortness of breath (OR = 8,310) . , 95% CI: 3,415-20,220, history of hypertension (OR=2,454, 95% CI: 1,159-5,196), history of chronic disease (OR=10,460 times, 95% CI: 3,282-33,331), history of cancer (OR=16,137, 95% CI: 2,798-96,147) in COVID-19 patients treated at H. Adam Malik Hospital Medan in 2020.